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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 373722002400

First Inventor Anthony J. Ticknor

Title MICROFLUIDIC CONTROL FOR WAVEGUIDE OPTICAL SWITCHES, VARIABLE ATTENUATORS, AND OTHER OPTICAL DEVICES

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Date of Deposit: February 27, 2002

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*Kerry Keehan***APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 89]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 USC 113) [Total Sheets 31]

5. Oath or Declaration [Total Pages]
a. Newly executed (original or copy)
b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

6. Application Data Sheet. See 37 CFR 1.76 - 3 PAGES

Assistant Commissioner for Patents
ADDRESS TO: Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. CD-ROM or CD-R (2 copies); or
ii. paper
c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement
(where there is an assignee) Power of Attorney

11. English Translation document (if applicable)

12. Information Disclosure Statement
(IDS)/PTO-1449 Copies of IDS Citations

13. Preliminary Amendment

14. Two Return Receipt Postcards (MPEP 503)
Should be specifically itemized

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. Other

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No:

Prior application information:

Examiner

Group / Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Labelor Correspondence address below

25226

PATENT TRADEMARK OFFICE

(Insert Customer No. or Attach bar code label here)

Name	Morrison & Foerster, LLP				
	755 Page Mill Road				
Address					
City	Palo Alto	State	California	Zip Code	94304-1018
Country	U.S.	Telephone	650-813-5832	Fax	650-494-0792
Name (Print/Type)	Charles D. Holland		Registration No. (Attorney/Agent)	35,196	
Signature	<i>Charles D. Holland</i>				
Date February 27, 2002					

FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Anthony J. TICKNOR
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned

TOTAL AMOUNT OF PAYMENT

(\$1,575)

Attorney Docket No. 373722002400

METHOD OF PAYMENT

FEE CALCULATION (continued)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 03-1952

Deposit Account Name Morrison & Foerster LLP

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.272. Payment Enclosed: Check Credit Card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	370
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$370)

2. EXTRA CLAIM FEES

Total Claims	101	-20**	=	81	x	9	=	\$729	Extra Claims	Fee from below	Fee Paid
Independent Claims	11	-3**	=	8	x	42	=	\$336			
Multiple Dependent							=	\$140			
<hr/>											
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description							
103	18	203	9	Claims in excess of 20							
102	84	202	42	Independent claims in excess of 3							
104	280	204	140	Multiple dependent claims, if not paid							
109	84	209	42	**Reissue independent claims over original patent							
110	18	210	9	**Reissue claims in excess of 20 and over original patent							
SUBTOTAL (2)					(\$1,205)						

** or number previously paid, if greater; For reissues, see above.

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath			
127	50	227	25	Surcharge - late provisional filing fee or cover sheet			
139	130	139	130	Non-English specification			
147	2,520	147	2,520	For filing a request for ex parte reexamination			
112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action			
115	110	215	55	Extension for reply within first month			
116	400	216	200	Extension for reply within second month			
117	920	217	460	Extension for reply within third month			
118	1,440	218	720	Extension for reply within fourth month			
128	1,960	228	980	Extension for reply within fifth month			
119	320	219	160	Notice of Appeal			
120	320	220	160	Filing a brief in support of an appeal			
121	280	221	140	Request for oral hearing			
138	1,510	138	1,510	Petition to institute a public use proceeding			
140	110	240	55	Petition to revive - unavoidable			
141	1,280	241	640	Petition to revive - unintentional			
142	1,280	242	640	Utility issue fee (or reissue)			
143	460	243	230	Design issue fee			
144	620	244	310	Plant issue fee			
122	130	122	130	Petitions of the Commissioner			
123	50	123	50	Petitions related to provisional applications			
126	180	126	180	Submission of Information Disclosure Stmt			
581	40	581	40	Recording each patent assignment per properties (times number of properties)			
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))			
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))			
179	740	279	370	Request for Continued Examination (RCE)			
169	900	169	900	Request for expedited examination of a design application			
Other fee (specify) _____							

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$0)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Charles D. Holland	Registration No. (Attorney/Agent)	35,196	Telephone	(650) 813-5832
Signature				Date	February 27, 2002

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